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REMARKS/ARGUMENTS

Claims 1-21 are pending in this application. By this Amendment, Applicant amends claims 1 and 2.

Applicant greatly appreciates the Examiner's indication that claims 12-21 appear to be allowable.

Claim 1 was rejected under 35 U.S.C. § 112, second paragraph, for allegedly being indefinite. Applicant has amended claims 1 and 2 to correct the informalities noted by the Examiner. Accordingly, Applicant respectfully requests reconsideration and withdrawal of this rejection.

Claims 1 and 11 were rejected under 35 U.S.C. § 102(a) as being anticipated by Applicant's Admitted Prior Art Fig. 21 (AAPA). Although the Examiner did not specifically indicate that claims 2-10 would be allowable if rewritten in independent form including all of the features of the base claim and any intervening claims, since claims 2-10 were not rejected over any prior art, Applicant assumes that claims 2-10 would be allowable if rewritten in independent form including all of the features of the base claim and any intervening claims. Applicant respectfully traverses the rejection of claims 1 and 11.

Claim 1 has been amended to recite:

"A two-port isolator comprising:

a permanent magnet;

a ferrite to which a DC magnetic field is applied by the permanent magnet;

a first center electrode disposed on the surface of the ferrite or inside the ferrite, one end of the first center electrode being electrically connected to a first input-output port and the other end of the first center electrode being electrically connected to a second input-output port;

a second center electrode disposed on the surface of the ferrite or inside the ferrite and intersects with the first center electrode in an electrically insulated state, one end of the second center electrode being electrically connected to the second input-output port and the other end of the second center electrode being electrically grounded;

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a first matching capacitor electrically connected between the first input-output port and the second input-output port;
a resistor electrically connected between the first input-output port and the second input-output port; and
a series resonant circuit, including a second matching capacitor and an inductor, electrically connected between the second input-output port and ground." (emphasis added)

With the unique combination and arrangement of elements recited in Applicant's claim 1, including the feature of "a series resonant circuit, including a second matching capacitor and an inductor, electrically connected between the second input-output port and ground," Applicant has been able to provide a two-port isolator capable of suppressing the propagation of the second harmonic wave or the third harmonic wave of the used frequency (see, for example, the first full paragraph on page 3 of the originally filed specification).

The Examiner alleged that AAPA Fig. 21 teaches each and every feature recited in claim 1, including "a series resonant circuit (L2, C2), including a second matching capacitor (C2) and an inductor (L2), electrically connected between the second input-output port (315) and ground (316)." Applicant respectfully disagrees.

As clearly seen in AAPA Fig. 21 of the originally filed specification, the matching capacitor C2 and the inductor L2 are connected in parallel to each other, **NOT in series**. By definition, "a series resonant circuit" must include elements that are connected in series with one another. Thus, the matching capacitor C2 and the inductor L2 of AAPA Fig. 21 clearly cannot be fairly construed as a series resonant circuit as alleged by the Examiner. At best, AAPA Fig. 21 teaches a parallel resonant circuit, including a second matching capacitor and an inductor, electrically connected between the second input-output port and ground, **NOT a series resonant circuit**.

Thus, AAPA Fig. 21 certainly fails to teach or suggest the feature of "a series resonant circuit, including a second matching capacitor and an inductor, electrically connected between the second input-output port and ground" as recited in Applicant's

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claim 1.

Accordingly, Applicant respectfully submits that AAPA Fig. 21 fails to teach or suggest the unique combination and arrangement of elements recited in Applicant's claim 1.

In view of the foregoing amendments and remarks, Applicant respectfully submits that Claim 1 is allowable. Claims 2-11 depend upon claim 1, and are therefore allowable for at least the reasons that claim 1 is allowable. In addition, Applicant respectfully submits that claims 12-21 are allowable, as indicated by the Examiner.

In view of the foregoing amendments and remarks, Applicants respectfully submit that this application is in condition for allowance. Favorable consideration and prompt allowance are solicited.

The Commissioner is authorized to charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 50-1353.

Respectfully submitted,

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